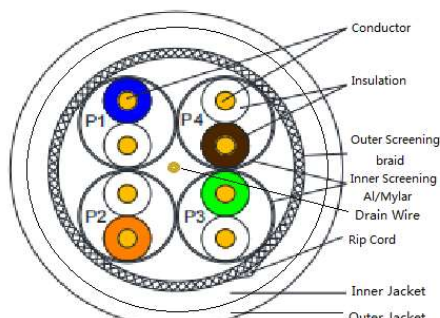


SPECIFICATION

Version:

A1

Product Name		7 STAR CAT7 SFTP PVC+PE DOUBLE JACKET 305 MTR CABLE PURE COPPER OUTDOOR		Structure Chart 																																																																																																																																																																							
Product Model		SFTP.CAT7.CU056 Double Jacket																																																																																																																																																																									
Reference Standard		YD/T1019-2013; IEC61156-5; ISO/IEC 11801-2017																																																																																																																																																																									
Application		Applied to structured cable; for digital, voice, data and video signals transmitting, suitable for Class F link and CAT7 cable.																																																																																																																																																																									
Conductor	Material	Solid-Bare Copper			Transmission Performance (100m) <table><tr><th>Frequency</th><th>RL</th><th>ATT</th><th>NEXT</th><th>PS NEXT</th></tr><tr><th>(MHz)</th><th>≥dB</th><th>≤dB</th><th>≥dB</th><th>≥dB</th></tr><tr><td>1</td><td>20.0</td><td>2.0</td><td>78.0</td><td>75.0</td></tr><tr><td>4</td><td>23.0</td><td>3.7</td><td>78.0</td><td>75.0</td></tr><tr><td>8</td><td>24.5</td><td>5.2</td><td>78.0</td><td>75.0</td></tr><tr><td>10</td><td>25.0</td><td>5.9</td><td>78.0</td><td>75.0</td></tr><tr><td>16</td><td>25.0</td><td>7.4</td><td>78.0</td><td>75.0</td></tr><tr><td>20</td><td>25.0</td><td>8.3</td><td>78.0</td><td>75.0</td></tr><tr><td>25</td><td>24.3</td><td>9.3</td><td>78.0</td><td>75.0</td></tr><tr><td>31.25</td><td>23.6</td><td>10.4</td><td>78.0</td><td>75.0</td></tr><tr><td>62.5</td><td>21.5</td><td>14.9</td><td>75.5</td><td>72.5</td></tr><tr><td>100</td><td>20.1</td><td>19.0</td><td>72.4</td><td>69.4</td></tr><tr><td>200</td><td>18.0</td><td>27.5</td><td>67.9</td><td>64.9</td></tr><tr><td>250</td><td>17.3</td><td>31.0</td><td>66.4</td><td>63.4</td></tr><tr><td>300</td><td>17.3</td><td>34.2</td><td>65.2</td><td>62.2</td></tr><tr><td>400</td><td>17.3</td><td>40.0</td><td>63.4</td><td>60.4</td></tr><tr><td>500</td><td>17.3</td><td>45.3</td><td>61.9</td><td>58.9</td></tr><tr><td>600</td><td>17.3</td><td>50.1</td><td>60.7</td><td>57.7</td></tr></table> <table><tr><th>Frequency</th><th>DELAY</th><th>ACRF</th><th>PS ACRF</th></tr><tr><th>(MHz)</th><th>≤ns</th><th>≥dB</th><th>≥dB</th></tr><tr><td>1</td><td>570</td><td>78.0</td><td>75.0</td></tr><tr><td>4</td><td>552</td><td>78.0</td><td>75.0</td></tr><tr><td>8</td><td>547</td><td>77.2</td><td>74.2</td></tr><tr><td>10</td><td>545</td><td>75.3</td><td>72.3</td></tr><tr><td>16</td><td>543</td><td>71.2</td><td>68.2</td></tr><tr><td>20</td><td>542</td><td>69.3</td><td>66.3</td></tr><tr><td>25</td><td>541</td><td>67.3</td><td>64.3</td></tr><tr><td>31.25</td><td>540</td><td>65.4</td><td>62.4</td></tr><tr><td>62.5</td><td>539</td><td>59.4</td><td>56.4</td></tr><tr><td>100</td><td>538</td><td>55.3</td><td>52.3</td></tr><tr><td>200</td><td>537</td><td>49.3</td><td>46.3</td></tr><tr><td>250</td><td>536</td><td>47.3</td><td>44.3</td></tr><tr><td>300</td><td>536</td><td>45.8</td><td>42.8</td></tr><tr><td>400</td><td>536</td><td>43.3</td><td>40.3</td></tr><tr><td>500</td><td>536</td><td>41.3</td><td>38.3</td></tr><tr><td>600</td><td>535</td><td>39.7</td><td>36.7</td></tr></table>					Frequency	RL	ATT	NEXT	PS NEXT	(MHz)	≥dB	≤dB	≥dB	≥dB	1	20.0	2.0	78.0	75.0	4	23.0	3.7	78.0	75.0	8	24.5	5.2	78.0	75.0	10	25.0	5.9	78.0	75.0	16	25.0	7.4	78.0	75.0	20	25.0	8.3	78.0	75.0	25	24.3	9.3	78.0	75.0	31.25	23.6	10.4	78.0	75.0	62.5	21.5	14.9	75.5	72.5	100	20.1	19.0	72.4	69.4	200	18.0	27.5	67.9	64.9	250	17.3	31.0	66.4	63.4	300	17.3	34.2	65.2	62.2	400	17.3	40.0	63.4	60.4	500	17.3	45.3	61.9	58.9	600	17.3	50.1	60.7	57.7	Frequency	DELAY	ACRF	PS ACRF	(MHz)	≤ns	≥dB	≥dB	1	570	78.0	75.0	4	552	78.0	75.0	8	547	77.2	74.2	10	545	75.3	72.3	16	543	71.2	68.2	20	542	69.3	66.3	25	541	67.3	64.3	31.25	540	65.4	62.4	62.5	539	59.4	56.4	100	538	55.3	52.3	200	537	49.3	46.3	250	536	47.3	44.3	300	536	45.8	42.8	400	536	43.3	40.3	500	536	41.3	38.3	600	535	39.7	36.7
	Frequency	RL	ATT	NEXT						PS NEXT																																																																																																																																																																	
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500	536	41.3	38.3																																																																																																																																																																								
600	535	39.7	36.7																																																																																																																																																																								
Diameter (mm)	0.560±0.005																																																																																																																																																																										
Insulation	Material	Skin-foam-skin PE																																																																																																																																																																									
	Color	White/Blue,White/Orange,White/Green,White/Brown																																																																																																																																																																									
Diameter (mm)	1.35±0.05																																																																																																																																																																										
Inner Screening	Material	Paired AL/Mylar																																																																																																																																																																									
Drain Wire	Material	1/0.40mm Tc or None																																																																																																																																																																									
Outer Screening Braid	Material	Aluminum-magnesium alloy																																																																																																																																																																									
	Coverage	≥30%																																																																																																																																																																									
Rip Cord	YES																																																																																																																																																																										
Inner Jacket	Material	PVC (ROHS)																																																																																																																																																																									
	External O.D.(mm)	7.3±0.3																																																																																																																																																																									
	Thickness (mm)	0.45±0.05																																																																																																																																																																									
	Color	TBD																																																																																																																																																																									
Outer Jacket	Material	PE																																																																																																																																																																									
	External O.D.(mm)	8.3±0.3																																																																																																																																																																									
	Thickness (mm)	0.50±0.05																																																																																																																																																																									
	Color	TBD																																																																																																																																																																									
Printing	TBD																																																																																																																																																																										
Packing	Roll																																																																																																																																																																										
Jacket Physical properties	Before Aging	Tensile Strength(MPa): ≥13.5(PVC), ≥10 (PE)																																																																																																																																																																									
		Elongation (%): ≥150 (PVC) , ≥250 (PE)																																																																																																																																																																									
	Aged Condition		100℃ , 168h																																																																																																																																																																								
	After Aging	Tensile Strength(MPa) ≥80%																																																																																																																																																																									
		Elongation (%) ≥80%																																																																																																																																																																									
Electrical Characteristics (20 °C)	DC Resistance		≤ 9.38Ω/100m																																																																																																																																																																								
	Unbalance DC Resistance		≤2.0%																																																																																																																																																																								
	Unbalance Capacitance		< 330 pF/100m																																																																																																																																																																								
	Delay Skew		≤25ns/100m																																																																																																																																																																								
	Impedance(Ω):		1-100MHz 100±15Ω 100-250MHz 100±18Ω 250-600MHz 100±25Ω																																																																																																																																																																								
					Environment Temperature				CPR																																																																																																																																																																		
Version :		Date	Record			Store	0~40℃	Work	-20~60℃	TBD																																																																																																																																																																	
A1		8-4-2026	Original			Qiu Meihua			Jin Jianbing																																																																																																																																																																		